

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: DCrespy@aol.com
Subject: [11434] "unibit" step drill
Message-ID: <970209081905_-1576010118@emout17.mail.aol.com>

Gang,

I bought a step drill ("unibit") yesterday, after reading a post here about it. I am using it to make those holes bigger than 1/4" (pots, SO-239s 1/4 jacks...). ABSOLUTELY INCREDIBLE!! Clean, round holes without a burr, exactly the right size. It was not cheap..but the best \$35 I have spent on my shop in a long time!!

Harry KG5LO
Saline MI

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: wmcshan@REX.RE.uokhsc.edu (Mike McShan)
Subject: [11448] -12 V
Message-ID: <v01540b00af23ba12055a@[157.142.56.167]>

Hi gang,

This may be an elementary question for a lot of people on the list, but, given a +12 V power source, is there an IC (or whatever) that can invert this voltage to give -12V with respect to ground? ie.,

+12V
+12V -----> (ground)
-12V

Maybe if I had already bought a copy of NA5N's book then I wouldn't have to ask this question. :-)

Thanks for any help and 72/3,
Mike N5JKY
Edmond, OK

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: n4so@juno.com (CHARLES K BROWN)
Subject: [11465] 10 Mhz 2 el Beam
Message-ID: <19970209.155147.6639.0.n4so@juno.com>

Dimensions for a 2 element homebrew beam are available.
The design is from W8EGB, Clyde, who used a boom length of 8 feet 6 inches and then used Cushcraft elements and designed the dimensions for 10 Mhz.
Shows the basic drawings and the Beta Match.
n4so@juno.com

Ken Brown, N4SO
QTH Near Mobile, AL
QRP-L #622
n4so@juno.com

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997
From: kb0rol@juno.com (Bradley L Mugleston)
Subject: [11410] 38 Special Parts Help
Message-ID: <19970208.172619.10295.0.kb0rol@juno.com>

OK, I believe I'm ready to order parts but I need some help. The RIT MOD needs a 6.8uH molded choke - I need a Mouser #. I can't see one in the catalog.

Thanks

Brad Mugleston - KB0ROL
Colorado QRP Club # 170, QRP-L #316, ARRL
QTH - Aurora, CO - DM79oq
KB0ROL@JUNO.COM
BMUG@GWL.COM

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997
From: kb0rol@juno.com (Bradley L Mugleston)
Subject: [11422] 38 Special THANKS
Message-ID: <19970208.205437.7591.2.kb0rol@juno.com>

What a great group. I put in a request for help and it jumps right out of the walls. Got the part number and am placing my order tonight.

Thanks again

Brad Mugleston - KB0ROL
Colorado QRP Club # 170, QRP-L #316, ARRL
QTH - Aurora, CO - DM79oq

KBØROL@JUNO.COM
BMUG@GWL.COM

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997
From: "Len W. Touth" <len@infinet.com>
Subject: [11471] 38 Special: Only a bit of Drift - Else FB
Message-ID: <199702092311.SAA10541@mail1.infinet.com>

Hi Gang:

Finished the 38s this afternoon - RIT, TICK, and 5w mods. Amazing rig indeed.

Now comes the funny part. Hooked it up to an attic window (that I use for an extra dummy load - hi), called CQ (ONCE!!!) and got an immediate answer! Bob, N1MFW, reported nice tone, and some drift (hey the rig was cold). He gave me a 559. Not bad for an attic dummy load. I would almost bet that if I had spent a grand for a commercial rig, I probably would have called CQ for hours before I got a response. Life is funny that way. I am amazed at the recent traffic on 30m - hopefully the 38s is helping populate this band.

My only disappointment was the very low RX audio that I get. That is easy enough to fix. It will give me a project for next Saturday.

Anyone else have more experience with drifting of the 38s? I would almost bet it will taper off as the rig warms. Most do.

Best 72/3

Len

KG8SF

len@infinet.com kg8sf@key.com

QRP-L # 841 CQrp # 2 ARCI # 9025 FISTS # 2134

CHARTER MEMBER - THE COLUMBUS QRP CLUB - CQrp
Web Page: <http://www.infinet.com/~len>

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997

From: "Thomas J. Whalen" <whalen@swcp.com>
Subject: [11416] 49er in CQ MAG
Message-ID: <Pine.SUN.3.91.970208193401.18567C-100000@kitsune.swcp.com>

Hi All, just went to the local bookstore and picked up the new CQ mag.
There is a 5 page article on NorCal and the 49er. Lots of pictures and
even a schematic of the 49er. 72, Tom

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: Jim and Nancy Larsen <larsennnc@alaska.net>
Subject: [11423] AL7FS learns a bit about 40 mtrs
Message-ID: <32FD4F0E.10D@alaska.net>

Well....I went downstairs and the band dropped out. I think it died
about 0300Z. Wouldn't you know it. (20 was nearly dead all day) Maybe I
will start earlier tomorrow. I did not get the antenna up soon enough
today. I did let the beacon CQ run until 0400Z and sat back in the
leather recliner while it was running and read a science fiction book by
author of the name of Moon. No calls. So onward to B5, ST V, and ST
DS9.

My biggest problem now is going to be the moose that run through my back
yard. I think I may get to redo the radials every so often.

73,

Jim
AL7FS
Anchorage, Alaska

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: Jim and Nancy Larsen <larsennnc@alaska.net>
Subject: [11420] AL7FS on 7.0665 til 0400Z
Message-ID: <32FD3F57.697A@alaska.net>

Moved a bit.

Jim

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: Jim and Nancy Larsen <larsennnc@alaska.net>
Subject: [11417] AL7FS on 7.0695 from 0250Z to 0400Z

Message-ID: <32FD3B6A.16DB@alaska.net>

Just put up my gutless SLV in a tree about 10 feet at the base and ran four radials. My Big QRN kills 7040 so I will, just for fun be listening on 7.0695 for the next hour until 0400Z. If I am not hearing anything, I may just run CQ beacon with me listening in the pauses.

Then on to Babylon 5 and Star Trek, V and DS9.

73,

Jim
AL7FS

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997
From: Glen Reid <k5hgb@flash.net>
Subject: [11450] Austin Area QRP'ers Note
Message-ID: <32FE13F7.7C0@flash.net>

A distinguished visitor will be in Austin on Tuesday.

George Dobbs, G3RJV, General Secretary of G-QRP Club will be in Austin Tuesday, February 11. George has expressed an interest in visiting with the local QRP'ers. So -- we are planning a "get-together" at a local watering hole, most likely in the PM around "drive home time".

Anyone interested in the details reply by direct email so we don't tie up the list with local traffic. The number attending will determine the time and location.

Glen Reid
K5HGB
Austin

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997
From: Pete Rossi <wa3nna@resuba.com>
Subject: [11453] BEACON IS OFF
Message-ID: <199702091840.NAA20201@resuba.com>

The QRP beacon was turned off about 1820z. Fair showing of reports. I hope to have a summary out by next weekend. Gotta run..

Thanks to all who participated.

73,

Pete Rossi - WA3NNA
wa3nna@resuba.com

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: danjt@ix.netcom.com (DAN TRIGILIO)
Subject: [11457] C21 Value
Message-ID: <199702091852.MAA04058@dfw-ix11.ix.netcom.com>

Hi Gang< Could someone please tell the value of C21 on the rev.B 49er circuit board. As I only have info on the rev. A board.

Thanks es 72/73 de Dan N1DT

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: nwqrp@scn.org (SCN User)
Subject: [11412] Dec. 96 - Feb. 97 NWQ Newsletter!
Message-ID: <199702090047.QAA28228@scn.org>

Dec. 96 - Feb. 97 NWQ Newsletter is now Online ...

Also, check out our NWQ Digital Contest Report, Member Database, and much more!

See URL below ...

--Brian, KV9X

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i NorthWest QRP Club
-=[scn]=-
)|(nwqrp@scn.org
/_|_ \ http://www.scn.org/IP/nwqrp

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/^ \ ^ \ / ^^\
--NW QRP--

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997

From: w8lrm@qtm.net
Subject: [11419] fdfs
Message-ID: <199702090301.WAA13443@garcon.qtm.net>

Where is Randy. All I hear is QCWA and NA.
.....de....W8LRM.....Al

MI-QRP #41 QRP-L #532 QRP-ARCI #6524
G-QRP #4152 NOR-CAL #246 CQC #289 (EN62RE)
>From Southwest Michigans Sunset Coast:
Saint Joseph, Berrien County, Michigan !

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997
From: "Bruce Milne" <wb2qap@i3.net>
Subject: [11456] For Sale Index Labs QRP +
Message-ID: <199702091850.NAA27986@ns1.i3.net>

Feb. 9, 1997 1:50 pm

Hi,
I am posting this ad for my cousin, VE3KXJ. A year ago he bought my QRP+
to get into qrp, but decided he does not have the patience for it. The rig
is described below. All inquiries should be sent/phoned to:

Bill Janes, VE3KXJ
email: ve3kxj@juno.com
Phone (941)-947-4862

QRP Plus....serial number 162. Mint condition. Unlike the "new, improved"
QRP++, the SCAF filter works well, and is not effected by adjacent strong
signal interference.
Price is \$450. Contact Bill Janes, VE3KXJ at above e-mail address or by
phone.

Bruce Milne
wb2qap@i3.net

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: Roger Hightower <n7kt@dancris.com>
Subject: [11463] For Sale: OHR Explorer rigs, 20 & 30M
Message-ID: <32FE372C.10E4@dancris.com>

Have too many single-band rigs here, and need to make room on the shelf.

OHR Explorer, one on 20M and one on 30M. Work FB, no scratches, manuals included. Asking \$60.00 each (includes shipping).

Personal check OK.

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj
NorCal 40-9er, NC38S, NC-40A, Cascade, OHR Explorer 20, 30M, OHR400,
HW-9
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: Gary McCaughey <MAIL4GARY@worldnet.att.net>
Subject: [11427] For Sale: OHR QRP Sprint 40M
Message-ID: <19970209074839.AAA27609@LOCALNAME>

I have for sale an Oak Hills Research QRP Sprint for 40 meters.
Just finished putting it together...it is brand new condx. The kit is
actually about 3 to 4 years old. Got it from a guy that did not want to put
it together and decided to sell it. Works perfectly. I have a TKit 1340
that I also just finished and don't need two rigs for 40 M. So this one is
for sale for \$80.00 shipped to your door in the continental US.

Aligned with a freq counter for 7.000 to 7.100 MHz.

1.5 watts output

Direct conversion RX

very stable VFO

Plenty of audio

40mA RX and 240mA XMIT

RIT

Headphones only...no speaker.

73/72

Gary - W2UX

QRP-ARCI # 8911 QRP-L # 593

CW is THE REAL THING.

Lexington, SC

EX: WA2UAX

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: K4NK@aol.com
Subject: [11442] FSFD S.C.
Message-ID: <970209101902_1180114608@emout20.mail.aol.com>

I will be moving to 30 meters ,10.116 +/- at 17:00. Thanks for all the Qso's on 80 and 40. I still lack an Alabama contact please look for me.

72 Les K4NK So. Carolina

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: K4NK@aol.com
Subject: [11433] FSFD S.C.up
Message-ID: <970209064032_-1977241665@emout06.mail.aol.com>

South Carolina up and running as of 11:00 z. 80 meters here is very heavy QRN. If QCWA and others bother I will go up to clear spot. Tune up.
Les K4NK

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: Bill Myers <bmyers@destin.nfds.net>
Subject: [11458] Ft. Walton Hamfest & QRP Meeting?
Message-ID: <1.5.4.16.19970209125238.12af3ba8@destin.nfds.net>

Hello Fellow QRP'ers in the Southeast.

The Playground Amateur Radio Club (PARC) will hold their annual hamfest on March 15 & 16, 1997 at the Okaloosa County Fairgrounds in Ft. Walton Beach, Florida. Any and all are welcome.

My question is, do those that plan to attend want to have a QRP gathering with a specific room and time set up? And do we want to just have an open gathering, formal presentation, project display, or what???

Let me know (I can get us a place to meet and set a time if you want)!!!!

Those looking for directions, tables, etc can access our webpage at;

www.nfds.net/~swapfest

72/73

--

Bill Myers KK4KF Grid - EM60rk
FISTS#2390 QRP-L#755 ARCI#9282 scQRPions#42
CQC#386 NE#508 AK/QRP#081
Snail Mail P. O. Box 178 Shalimar, FL 32579
e-mail <bmyers@destin.nfds.net>
homepage <http://destin.nfds.net/~bmyers/>
CHECK OUT THE FISTS INTERNATIONAL CW CLUB U. S. HOMEPAGE
<http://n9nvv.qrp.com/~fists> (That's N 9 N V V)

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997
From: AD4KB@aol.com
Subject: [11468] Got it! (38S 2KHZ tuning range solved)
Message-ID: <970209173400_1213738768@emout12.mail.aol.com>

Thanks for the info, Paul. I believe the inductor is the problem. I had some inductors that radio shack used to sell (they are not marked, but I believe they are 1uh), and kept adding them in series, and checking the range. I got different results with a varactor diode I stole from a Ramsey kit, and the diode at D3. The final configuration was 5 inductors in series at L1, and 2 diodes in parallel at D3. This gave a range of 10096 to 10128.

I then added a 20k 15 turn resistor in line at pad 18, and adjusted the bottom end to 10100, yielding a final range of 10100 to 10128. Sure a lot better than the 2khz that I was experiencing! Thanks to everyone that responded with suggestions. It sure is great to have hundreds of others working on the same kit. For anyone else who might have the same trouble - I must have held the heat on too long on inductor L1 and cooked it.

(suggested by Paul (NA5N)) This lowered the inductance to a much smaller value, giving only a 2khz tuning range.

P.S. Any time in the future when I have another attack of stupidity, please ignore the extra class call! I'll just sit here quietly and wear my stupid sign!

73 de Jim (AD4KB@aol.com)

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997
From: "William C. Robbins" <billrobb@net-link.net>
Subject: [11473] Halicrafters HA-1 SOLD
Message-ID: <199702092344.SAA16569@serv01.net-link.net>

The HA-1 Keyer has been sold. Thanks to all who had interest.

Bill

WA8CDU Heathkit Collector

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: Oka@mol.net.my (Takanori Oka)
Subject: [11439] HB:40A xmit fixed!(a little long)
Message-ID: <v01530501af23f757241c@[202.190.129.56]>

Hello QRP HBers,

I wish to thank all of those who helped me to find the problem on my 40A transmitter. Within a couple of days after I asked to help me on the list, I received several e-mails describing how to trouble shoot, precious measurements off the repliers' 40As and other useful ideas which I followed and I finally found and correct the problem.

Most of them suggested to check the connections at troids, to trace the RF signal by a probe, to check if the tuning of the mixer was performed correctly and so on. In my case, it was the varicap in the xmit mixer circuit that I needed to replace. It was completely different from what I thought was the problem. And I could learn those OMs' techniques by carrying them out myself with their kind help.

I note that new builders like me who have difficulties on their projects can learn more effectively and enjoy communication with the very nice folks here. So let's not hesitate to ask help! Let's make your problem worth having!

Anyway, thanks again.

Tak/9M2EN

Tak Oka
Kuala Lumpur, Malaysia
oka@mol.net.my

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: Bill Myers <bmyers@destin.nfds.net>
Subject: [11455] HW-8 on 30 Meters
Message-ID: <1.5.4.16.19970209124617.0adfc17c@destin.nfds.net>

At 10:01 AM 2/9/97 PST, William K Hibbert wrote:

>And when are you going to post the details on putting the HW-8 on 30
>Meters, Mike???

I'm not Mike, but they are are a couple of different ways to do that, they are in the HW-8 Handbook. If you'd like, drop me a note and I'll send a copy of the article, either in ASCII or Word6 format.

Or you can buy the book and get all the different mods for the 7, 8, and 9...

72/73

--

Bill Myers KK4KF Grid - EM60rk
FISTS#2390 QRP-L#755 ARCI#9282 scQRPions#42
CQC#386 NE#508 AK/QRP#081
Snail Mail P. O. Box 178 Shalimar, FL 32579
e-mail <bmyers@destin.nfds.net>
homepage <http://destin.nfds.net/~bmyers/>
CHECK OUT THE FISTS INTERNATIONAL CW CLUB U. S. HOMEPAGE
<http://n9nvv.qrp.com/~fists> (That's N 9 N V V)

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997
From: NilsBull@aol.com
Subject: [11464] ID for scrounged doodad, eh?
Message-ID: <970209154405_205678721@emout06.mail.aol.com>

I was trashing through the clutter on top of the bench this morning -- having spent the night not thinking about how I was gonna build the box for the NC38S once it's finished up good -- and came across an LCD display module from a piece of medical equipment what got trashed out. I don't even know if it'll work. If it does, it'd be nice to know what the heck kinda work it'd do. So...

Description: double-sided board, about 1.375x3.125" (HW) with a 14 pin header at the top. Two wires solder onto one side of the board just left of the display module. There is an "up" arrow on the right side of the board with the display facing the observer. The numbers & letters (in foil metal) on the back are "DMC 16117/OPTREX JAPAN." The numbers "8652R1" are stamped in black ink on the board. A rectangular, 76-pin chip (22 pins on two sides; 16 pins on the other two sides) on one half of the back of the board is marked "[TM] 5L3/HD44780A00." I am not familiar with the trademark (shown here as [TM]),

but it's two concentric rings around a solid dot with four compass points on the outside ring. "MR" is marked in the upper right hand corner of the chip. The display module is about 1x2.75", including the black metal piece that holds the glass to the board. No contact points are visible on the LCD module under the metal piece.

Anybody got any good ideas what this doodad might be? Should I consider myself lucky? Should I call the Pope? Should I sign a confession? Should I denounce the badgers as Trotskyite wreckers of the reactionary stripe? Should I take a nap? Should I go out and get Cindy some noodles so she can make a covered dish something or other for the volunteers party tonight? What about the ducks? Should I give them their socks back? Why won't they let me off this table? I didn't do anything wrong... yet.

73
Nils
WB8IJN +c

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: "Steve, N2MNN" <n2mnn@openix.com>
Subject: [11436] Info on TEK-422 Oscilloscope
Message-ID: <199702091417.JAA27667@pantera.openix.com>

I might have a chance to pick one of these up with the AC adapter.

How good is this model, and what is it worth? Its small and portable, and looks like its dual trace. It comes with six TEK-6006 probes. Is this the correct probe for this scope? Where can I get manuals for it?

Thanks,

Steve, N2MNN

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: Dave Fifield <fifield@pacbell.net>
Subject: [11429] Jan Crystals
Message-ID: <32FD8AA8.4C06@pacbell.net>

Could one of you kindly souls please point me in the general direction of Jan Crystals, I've lost their address/phone/email id again!!!

Also, if you know of any other places that make custom crystals at

reasonable prices and quickly (time is of the essence here), then I'd be delighted to receive their information too.

Thanks es 72, de Dave Fifield, KQ6FR
fifield@pacbell.net

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997
From: Bob Hightower <ki7mn@dancris.com>
Subject: [11452] KC-1 and NorCal 40A
Message-ID: <199702091834.LAA29297@dancris.com>

I installed a KC-1 keyer in my NOrCal 40A, and, on key down, all I get is a muting effect. I think I remember a thread on this in the past. Ideas on what could be wrong?

73,

Bob, KI7MN Chandler, AZ ScQRPion QRP-L #271, NorCal #1228, CQC #274, QRP ARCI #8918, AK QRP #30, not in any order of importance.

<http://www.dancris.com/~ki7mn>

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997
From: Paul Stroud <aa4xx@amsat.org>
Subject: [11409] KL Roundtable, Feb 2nd
Message-ID: <32FD1441.3B0D@amsat.org>

Hi Gang,

Thanks to all who joined us last Sunday night on the KnightLite's Roundtable. The band was full of QRM from a nearby beacon, but a number of stations made it in. This coming Sunday, Feb 9th, will be our last session on the old frequency of 3710 KHz. Beginning Feb 16th, we'll be moving to (hopefully) quieter ground on the Pixie frequency of 3686.4 KHz.

My apologies to the VE3 station who didn't make it into the net. Your signal was right on the edge and the QRM made it impossible to get your suffix. N3G0 and K3QIO copied W5XE from El Paso. Good job to you three... Poor ole NCS (AA4XX) didn't hear a peep out of Texas! Thanks also to N2TNN for helping with NCS duties and QRM control.

Comments from the soapbox: "Got my new loop and sloper up" (K4NK), "My new Ten-Tec xcvr kit is coming right along" (K4WZ), "I'm

cheating tonight on a HW-16 at 30 watts" (WD9CTB), "Wow! N2TNN is 15dB over S9! I'm working on some 2 M all-mode stuff tonight." (N3GO), "The beacon is vy loud on this end" (WA8LCZ), "Got my antenna back up again, but not the way I want it." (WB0CLD).

We invite you to join us this Sunday on 3710 KHz at 0230Z (9:30PM EST) for the next session of the Roundtable. The NCS will be using the KL Club call KF40GA.

Here are the folks who checked in last session: (Notice we got 15 states represented with just 17 check-ins...)

N1QQV	Ken	Madison,	CT	549	5W	
K4NK	Les	Greenville,	SC	579		
K4WZ	Ron	Forest Park,	GA	599+10		
W3KC	Chas	Kensington,	MD	339	5W	Argo 509, Zepp
K5ID	Ken	Hot Springs,	AR	579	5W	
K2SJB	Dave	Ithaca,	NY	549		
WD9CTB	Jerry	Floyd Knobs,	IN	599+10	30W	HW-16, Inv Vee
VE3SP	Ron	Hamilton,	ON	339	5W	Butternut Vert
KA0FVB	Ed	Velva,	ND	599	100W	
N3GO	Gary	Raleigh,	NC	579	2.5W	Dipole
K3QIO	Jim	Wilmington,	DE	599	5W	
N2TNN	Dean	Somerset,	NJ	599	3W	Dipole
WA8LCZ	Byron	Warren,	MI	449	5W	Gap Vert
W5XE	Ray	El Paso,	TX	219	3W	Phased Verts
WB0CLD	Bill	St. Charles,	MO	559	5W	
K3TKS	Danny	Silver Spring,	MD	559	1W	Loop
AA4XX	Paul	Raleigh,	NC	(NCS)	5W	Dipole

-----72 till next Sunday de AA4XX-----

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: Dave Fifield <fifield@pacbell.net>
Subject: [11428] N38S - Frequency Coverage Modifications
Message-ID: <32FD89F5.28DC@pacbell.net>

There are a couple of modifications you can do to help "linearize" the tuning on the 38 Special.

You may have noticed that the tuning is quite non-linear. The low frequency end of the tuning is all squashed up whilst the high frequency end is well spaced out. In fact, you'll find that fully half of the tuning pot's travel (at the high end) only covers about 2 to 3 KHz. If you have done the inductor change (to 6.8uH) then you'll more than likely want to "un-squash" the low frequency end of the tuning.

Here are two mods you can do (one or the other, not both!). My personal preference is the second one, your mileage may vary:

Frequency Coverage Modification A

1. Cut the (marked) PCB track that short circuits R301. R301 is the unpopulated resistor directly next to the pin 4/5 end of U1 (NE602). It probably looks like 'R30' on the PCB legend (silk screen) because there's a via hole right where the '1' should be!!
2. Put a 1/4 Watt resistor that equals roughly half of the value of the tuning pot that you used into R301's position. So, if you used a 100 KOhm pot, you need to use a 47 KOhm resistor. If you used a 50 KOhm pot, you need to use a 24 or 27 KOhm resistor. You get the idea...
3. Smile, you're done!

What this does is actually reduce the tuning RANGE of the pot. You'll now find that your 38 Special only tunes from 10.100 to 10.122 MHz instead of from 10.100 to 10.125 MHz (approx. numbers)...BUT, the tuning will be much better spread out at the low end and more linear.

Frequency Coverage Modification B

With this mod, you don't lose any of the coverage range. It's only disadvantage is that there isn't a place for the extra resistor on the PCB directly.

The tuning can be made more linear by simply adding another resistor from the wiper of the tuning pot to ground! You just have to get the right value, that's all. I did some tests and found that 12 KOhm was about right. You can add this resistor either directly to the pot (as I did) or underneath the PCB between pins 17 and 18. You may like to make this component a small trim pot (20 KOhm should do) or a combination of fixed resistor with small trim pot (try 8.2 KOhm fixed with a 5 KOhm trim pot) to fine tune your particular rig.

On a historical note, I believe that this type of mod was one of the many put forward for the Norcal 40. I first used this technique in 1978 to make the fine tuning of VHF and UHF Wilkinson power dividers (made using PCB traces) easier. I'm sure I wasn't the first - it was probably used way back in the early days of tube development too!

72 es cu all on 30m,
Dave Fifield, KQ6FR

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: Tony Fishpool <101573.3220@CompuServe.COM>
Subject: [11466] NC38S
Message-ID: <970209220305_101573.3220_IHK137-1@CompuServe.COM>

Greetings all,

Having seen no postings to the contrary I would like to claim the first British 38 Special to get on the air. This afternoon I worked OK1DLY on a basic NC38S with no 5w P.A. This chap LADA gave me 559 which I thought was quite generous. My antenna incidentaly is a doublet, beams are something I may fantasize about during the odd moment.

Like a few others have reported, I had to take a single turn off T1 so as to get two peaks and shorting out R24 helped the audio greatly.

I saw the postings about winding wire around the 4.7uH choke to increase the swing. I must admit to have found the explanations hard to visualise, but I had a idea where they were going. I have reproduced my solution and it can be found at URL:-

<http://ourworld.compuserve.com/homepages/g4wif/nc38s.gif>

I imagine this is what others have done but would appreciate confirmation.

Like folk have said, if you end up with less frequency swing, you have wound it in the wrong direction. I achieved a swing of 10.108 to 10.130.

I have had no end of fun building this little rig. Ted G0ULL is not far behind, Steve G0TDJ has just become a dad (and is therefore a little distracted) and Graham G3MFJ is held up by work on his local theatres annual pantomime. (This is traditional English theatre, where the leading man is actually a girl, and one of the principle ladies parts is always a bloke in drag. No wonder our national psyche is what it is!) So there are more Brit. NC38's to come.

So thanks to NORCAL (Doug, Jim et al) for producing a great kit at a great price. More fun than something else I used to do, (memory being the second thing to go, can't remember the first thing).

72

Tony - G4WIF

p.s. if anyone would like to send a new (first time) dad a congrats message Steve's at stevesm@zoo.co.uk I know he would get a kick out of it.

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997
From: "John Shuster" <jshuster@ix.netcom.com>
Subject: [11413] OHR Group Buy - There's Interest
Message-ID: <199702090056.QAA26456@dfw-ix2.ix.netcom.com>

To All:

I've gotten a number of responses showing interest in an Oak Hills Research group buy. We'll probably have one after I work out some discounted pricing with Dick.

Two people asked for OHR's web page address so they could see all the kits that will be available at a discount. With the right browser/mail software, you can see the full line of kits by double clicking on this address:

<http://www.ohr.com>

I'll probably announce a group buy in a week or so. Please continue to send me private email if you're interested in participating. The more kits I have to work with, the lower pricing we can negotiate.

Best to you and your families,

John

++++
Father John Shuster, Married Roman Catholic Priest jshuster@ix.netcom.com
Need A Priest? Rent-A-Priest! 1-800-PRIEST-9 A Free Referral Service
At the foot of the Olympics in little Port Orchard, WA
K7MP ARCI 8951 QRP-L 554 ARS 36 NW QRP 346 WWDXC ARRL
++++

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997
From: Mike Duke <gmduke@oscar.teclink.net>
Subject: [11441] OTHER CRYSTAL SOURCE

Message-ID: <Pine.GS0.3.95.970209091346.906A-100000@oscar.teclink.net>

I have had good results from KW Manufacturing, 405-567-2285. I can't put my hands on their address at the moment, but I think they're in OK. My last purchase from them was several rocks for an old ic-22 two meter rig at about \$6.50 each, cheaper than Jan's \$10.

I also bought a crystal there to put my HW8 on 30 meters. It's been working well there for the past two years.

73, de K5XU

Mike Duke,
Jackson, MS

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997
From: Wa2eaw@aol.com
Subject: [11421] prevent polarity problems
Message-ID: <970208221917_1744862899@emout14.mail.aol.com>

To all;
I may be reinventing the wheel; but I have been reading about a number of people that destroyed gear by reversing polarity. Why not "key" the leads from the power source so that (example only) + is a round lead and will fit into the round + female and - is a
" blade " male plug that will only fit into the "blade" female slit. No pun intended, it just came out that way. To be serious, the round + lead can not be inserted into the - slot and v.v. It seems so simple and obvious that it must exist at this time.
72..Bob...WA2EAW

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997
From: kd7s@psnw.com (Bill Jones)
Subject: [11411] Proposed Phone Surcharges (A negative feeling)
Message-ID: <199702090018.QAA08964@sierra.psnw.com>

I've read several responses saying that a surcharge is only fair. Maybe it is, and maybe it isn't. My gut feeling is that it's just another opportunity to justify gouging the consumer. After all, why accept a \$1 billion annual profit when you can figure out a way to make \$1.2 billion. I

have a little difficulty believing some phone service provider is going bankrupt as a result of my posting this message to QRP-L.

=====

Bill Jones - KD7S <><
Sanger, California
Reply to kd7s@psnw.com

=====

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997
From: wd4et@juno.com
Subject: [11440] QRP Lecture material
Message-ID: <19970209.100700.4334.0.wd4et@juno.com>

I am scheduled to give a lecture on QRP operating to the North Florida Amateur Radio Society in April. I have lots of hands on materials that I can use. I recall a post from one of the large groups (ARCI ?) that offered a loaner package for presentations. Can someone point me in the right direction?

Thanks, Jeff WD4ET

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [11437] Quick question on capacitors
Message-ID: <Pine.3.89.9702090920.A25726-01000000@w3eax.umd.edu>

I have a bunch of capacitors. Some are blue, some are red. The red, 0.01s are labelled "E" and .01. Two vertical leads, into the back of a small square sheet.

Any guesses? Polyester? I'm looking for a 50v rating; the larger (physically) but otherwise identical ones I have (0.1) are actually stamped 100v, but possibly these just aren't big enough to have stamped???

Any educated guesses?

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 138 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: AD4KB@aol.com
Subject: [11469] Radio Shack Probe-Scope
Message-ID: <970209175826_1422528940@emout18.mail.aol.com>

I bit on the Probe-Scope from Radio Shack (\$79 on sale) and it does work. My computer in the hamshack will not run the software yet (it is an old xt with hercules monitor), but even the tiny screen can be useful. As I am new to scopes, I really can't talk intelligently about it, other than to say it was a big help in tuning the 38S for a clean output. Seems like a cheap way to get some of the benefits of a scope.

Jim

(AD4KB@aol.com)

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: N3BJ@aol.com
Subject: [11443] S&S Web page ??
Message-ID: <970209102534_137478085@emout02.mail.aol.com>

Does S&S Engineering have a page on the Net ?? Can't seem to find it.

Alan, N3BJ

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: "Wilford D. Lindsey" <70511.3041@CompuServe.COM>
Subject: [11459] Sierra:low output power
Message-ID: <970209185516_70511.3041_IHD52-2@CompuServe.COM>

Gang:

I have a Sierra which gives 3-4 watts on all bands except 20--where it appears to be only a half watt or so. I do not have any testing equipment, etc., to measure exactly, beyond ATU meters.

So the question: what needs to be done? Is it simply a matter of re-aligning the module? If so, what do you suggest? I do have a small RS battery-powered VOM/multimeter device, Also have other rigs, such as TenTec ARG0, which I believe could be used at least for reference.

Would appreciate any input. Thanks in advance!

72/873,

--Doc/K0EVZ QRP-L #861 MN-QRP #19 NJ-QRP #69 ARRL

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997
From: "Thomas J. Whalen" <whalen@swcp.com>
Subject: [11444] Smoked!
Message-ID: <Pine.SUN.3.91.970209082922.15444D-1000000@kitsune.swcp.com>

Hi OM, as you have probably seen from my posts, I have smoked the 49er! I hooked up the battery backwards. Anyhow, Im going to replace some parts today and try to get it back up. How about a qso tomorrow? I know Tues and Fri are best for you, but let me know. Tom 72, and rmtb forever!

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997
From: "Gary R. Widmayer" <grwidma@edcen.ehhs.cmich.edu>
Subject: [11470] TenTec Reflector
Message-ID: <32FE57DB.79AC@edcen.ehhs.cmich.edu>

Can someone please point me to the TenTec Reflector address. I've lost it somehow and would like to exchange information on my TT1340 Kit as I assemble it.

Many thanks,

Gary/N8AYY
Manchester, MI

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997
From: kf2zw@juno.com
Subject: [11418] USA Buro
Message-ID: <19970209.025556.7038.1.kf2zw@juno.com>

Am I correct in assuming that from things I've read here there is now a USA QSL Buro? If so I would like any info available on this (is there a web site on it?).

Thanks
Scott Hoag
KF2ZW
QRP-L #426

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>
Subject: [11408] W1AW
Message-ID: <1.5.4.16.19970209000113.1c17c786@mail49.mci2000.com>

Just a quicky, while giving the 38S is maiden critical run this afternoon, I heard W1AW fire up on about 10.120 MHz and called "CQ up" Of course with the 38S, 'up' wasn't going to happen. So I called him on his freq and signed /qrp. Got him on the first call and got a 559 report out of Newington. I made sure the op (Mike) knew that I was running qrp. He commented that he didn't have the beam headed my way.

Is this fun or what!!

72...Jim

Jim Kortge, K8IQY (ex NU8N)		BMHA, NorCal, QRP-L
jokortge@tir.com	__o	Cascade 17/40 SSB
Fenton, MI	_'\<	Mizuho 17/40 SSB
... ..	(*)/(*)	

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: "Marshall G. Emm" <mgemm@mtechnologies.com>
Subject: [11424] www 1K
Message-ID: <32FD33BE.3476@mtechnologies.com>

Last night my web site took its thousandth hit. Ouch! Hit me again! I guess if the Internet does eventually replace amateur radio, we can look forward to lots of neat awards like for example WWW1K for "worked a thousand surfers." A terrible thing to contemplate, so I'll drop it right now.

Anyhow, thanks to all the QRP-L folk who have visited <http://www.mtechnologies.com/mthome> and the CQC home page therein.

In honor of the occasion, the CQC pages have received a facelift. I've added the rest of the committee people to the main page, and a number of links, including White Rook Products which is one of the nicest pages I've encountered-- so nice I added John's logo. The member list is now

available as a zip-file download as well as text display. To get there, wax up your board and surf to the above url (that's pronounced Earl, for the benefit of Mssrs. Wonder, Hills, and yours truly Miles Stone). Then look for the CQC logo at the bottom of the page. If something else should catch your eye on the way down the page, that's cool. In fact, that's what the web is all about and why we should worry about the future of radio [g].

73

Marshall

AA0XI/VK5FN

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997

From: "DANIEL DOBSON" <DAN DOBSON@msn.com>

Subject: [11474] RE: "unibit" step drill

Message-ID: <UPMAIL02.199702092319530789@msn.com>

No kidding! That drill bit really does a nice clean job...And if its a Craftsman it has a lifetime warranty!.

Dan N9ZYV

From: owner-qrp-1@Lehigh.EDU on behalf of DCrespy@aol.com

Sent: Sunday, February 09, 1997 1:19 PM

Subject: "unibit" step drill

Gang,

I bought a step drill ("unibit") yesterday, after reading a post here about it. I am using it to make those holes bigger than 1/4" (pots, SO-239s 1/4 jacks...). ABSOLUTELY INCREDIBLE!! Clean, round holes without a burr, exactly the right size. It was not cheap..but the best \$35 I have spent on my shop in a long time!!

Harry KG5LO

Saline MI

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997

From: wmcshan@REX.RE.uokhsc.edu (Mike McShan)
Subject: [11449] Re: -12 V
Message-ID: <v01540b01af23bdfaf07f@[157.142.56.167]>

>Depends on the current you need.

>

>

>73 Dave WB0GAZ dgf@netcom.com

Thanks for the quick reply. I suspect that current requirements are pretty low - I'm planning to build the CW audio filter described in the 96 ARRL HB to be an add-on for the 38S. I should have mentioned this fact.

72/3,
Mike N5JKY
Edmond

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: Ed Tanton <n4xy@avana.net>
Subject: [11451] Re: -12 V
Message-ID: <3.0.32.19970209133224.0096a290@tiger.avana.net>

Mike... the EASIEST way to get there is to find a surplus DC-DC... IF you need more than 5 mA (else use the ICL7660.) Hosfelt Electronics, Mendelson, and a guy down in FL whose name escapes me at the moment all sell 'em for > 1/4 retail. Usually the package is nice and small, and all you'd need would be a little tantalum filtering on your output.

72/73

Ed Tanton N4XY EMAIL: n4xy@avana.net TEL: (770)579-3933 V/MBX/FAX
189 Pioneer Trail
Marietta, GA 30068-3466

QRP-ARCI#7663 G-QRP#6779 OK-QRP#172 QRP-L#758 AdvRC#140
NORCAL#1779 NCDXF SEDXC

Life Member: ARRL AMSAT IDRA INDEXA QCWA
URL: Coming Sooner or Later

"Think you can, think you can't: either way you're right!" Henry Ford

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997

From: Dave.Ackrill@Westwood45.powergen.co.uk
Subject: [11438] RE : Just because...
Message-ID: <970209144232Z*/G=Dave/S=Ackrill/O=Westwood45/PRMD=POWERGEN/
ADMD=CWMAIL/C=GB@MHS>

I tend to share the general points made by Ed, KF4KRV in that there is danger in arguing amongst ourselves.

The trite old saying of "better to hang together than be hung separately" seems to sum the problem up! In my opinion the more we bicker amongst ourselves the more likely it is that all of us will loose out.

Over here we have just lost a chunk of the 10GHz amateur band to commercial interests, 'so what?' I hear you mutter, 'I don't use microwaves, let the commercial guys have it'. Well, then what happens if some sovereign country somewhere suddenly gives those illegal AM stations a licence for 7MHz? Do you think that the microwavers are going to be very supportive of your cries for help?

Like another contributor to this list, I've come across Amateurs that are less than courteous to other Amateurs who they don't like, even though they are being judged on their perceived qualities rather than any actual knowledge of the person. Had I met some of these characters before getting the licence I might have imagined that all Amateurs were the same and kept away! I'm glad to say that they seem to be a minority, although an unfortunately very visible minority!

So what has this to do with QRP? Well, we are a small section of the Amateur population, we all have different interests and objectives, the only common ground is an interest in making contact using low power. If even we cannot operate together and support each others different interests (building from scratch/kit building/using modified commercial/using commercial QRP/antennas/propagation/RTTY/SSB/CW/contesting/rag chewing etc., etc.) then what hope the rest of Amateur Radio?

Regards and 72/73 de Dave (G0DJA)

[How far that little candle throws its beams!
- Merchant of Venice Act 5]

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997
From: Joe Gervais <vole@primenet.com>

Subject: [11414] Re: AL7FS - FSFD Volume 5 - QSLs
Message-ID: <199702090118.SAA27331@usr03.primenet.com>

Howdy,

Jim (AL7FS) wrote:

>

> I also am going to see if I can operate from KL7Y again in two
> weeks from Sunday (the 23rd).

Maybe you could see if you could wrangle his station
for Feb 22nd too? Be nice to have Alaska on the air
for FYB0, even if you're passing out a nice warm indoor
temp. Heck, it's AK, it'll *sound* cold. :-)

Thanks for the QSL - look forward to getting it!

Cheers de AB7TT (ex-KC7NEV),

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [11426] Re: AL7FS learns a bit about 40 mtrs
Message-ID: <Pine.SUN.3.90.970208215019.20939B-100000@vortex.sage.dri.edu>

On Sat, 8 Feb 1997, Jim and Nancy Larsen wrote:

> My biggest problem now is going to be the moose that run through my back
> yard. I think I may get to redo the radials every so often.

When we first moved to Nevada, we were sleeping soundly when there
was a strange noise.....got up and looked out and there were a
little over 25 wild horses in the yard!!

You can't believe how far they can drag inverted vees!!!

Poor city folks just don't have any fun at all!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....

....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997
From: Bob Hightower <ki7mn@dancris.com>
Subject: [11425] Re: fdfs
Message-ID: <199702090526.WAA13731@dancris.com>

At 10:03 PM 2/8/97 +0000, you wrote:
>Where is Randy. All I hear is QCWA and NA.
>de....W8LRM.....Al
>
>

All I can hear is RTTY...RTTY...RTTY. What a mess. Not a good weekend for a
qrp test.

73,

Bob, KI7MN Chandler, AZ ScQRPion QRP-L #271, NorCal #1228, CQC #274, QRP
ARCI #8918, AK QRP #30, not in any order of importance.

<http://www.dancris.com/~ki7mn>

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997
From: K4NK@aol.com
Subject: [11454] re: FSFD S.C.
Message-ID: <970209134716_983221977@emout04.mail.aol.com>

Well gang;

20 meters is pretty dead here in S.C. only got a few. I will be listening
on sked at the top of the hour for 30 min. if nothing will try, 40
7.039-7.050. Will try to work with the propagation. Also NOTE; sked change
02:00 till? 3.560 +/-

LES K4NK

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997
From: Roger Hightower <n7kt@dancris.com>
Subject: [11447] Re: Info on TEK-422 Oscilloscope
Message-ID: <32FE0949.79B@dancris.com>

Hi Steve,

Griffiths book says:

"The 422 is a light weight, portable, general purpose oscilloscope with a bandpass of 15 MHz. It requires no plug-ins, features an integral dual-trace vertical amplifier, and can be operated from DC.....(if the DC option is included)....the 422 does not have a delayed sweep.

The 422 is an excellent general purpose oscilloscope....

Approximate price: \$150 (AC version), \$250 (DC/Battery version)

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj
NorCal 40-9er, NC38S, NC-40A, Cascade, OHR Explorer 20, 30M, OHR400,
HW-9
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997
From: GREGOIRE@endor.com
Subject: [11461] RE: Jade Web page and 160 M Marconi Testimonial
Message-ID: <Chameleon.970209020026.GREGOIRE@Gregoire.endor.com>

Hello Dennis and the Gang,

I have one of those antennas in use, it does indeed work well.

The vertical section is 70 feet, and uses 36 radials,
that are mostly 1/4 wave long.

Come one come all to Old Tyme radio, at 1810, Thursday evening,
at (2000 hrs EST. for the zulu time challanged), which is
0100 UTC. for the rest).

This is an hour before the 79er meeting, at (2100 EST).

I am interested in some SSB on 160m too. I have talked with
folks in WV, NY, NH, VT, OH, WI, NJ, and more with this antenna
at qrp levels. It is possible, and a great thing to do
while waiting for 23 to heat up.

Usual disclaimer on the Jade stuff,
just a happy customer.

de AA1IK,
Ernie Gregoire

Lead by example.

It is better to pull a string,
than to push it.

R.R. 1, Box 221,
South Rd.
Canaan, NH. 03741

Fists # 2644, N.E.QRP # 202
QRP-L # 95, Fly fisher & tier,
Promise Keeper.

E-mail address: gregoire@endor.com

packet address: AA1IK@W1WOK.FN43FE.NH.USA.NA

02/09/97 01:48:53

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: "'AB7HI' Stephen Lee" <slee@u.washington.edu>
Subject: [11430] Re: Jan Crystals
Message-ID: <Pine.A41.3.95b.970209011908.154046B-100000@homer10.u.washington.edu>

1-800-JAN-XTAL is the same as 1-800-526-9825
JAN Crystals
2341 Crystal Drive
Ft. Myers, FL 33906-6017

On Sun, 9 Feb 1997, Dave Fifield wrote:
> Could one of you kindly souls please point me in the general direction
> of Jan Crystals, I've lost their address/phone/email id again!!!
>
> Thanks es 72, de Dave Fifield, KQ6FR
> fifield@pacbell.net

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: Charlie Lofgren <clofgren@BENSON.MCKENNA.EDU>
Subject: [11472] Re: N38S - Frequency Coverage Modifications
Message-ID: <Pine.PMDF.3.91.970209152115.127086A-100000@BENSON.MCKENNA.EDU>

On Sun, 9 Feb 1997, Dave Fifield wrote:

> There are a couple of modifications you can do to help "linearize" the
> tuning on the 38 Special.
>
> You may have noticed that the tuning is quite non-linear. The low
> frequency end of the tuning is all squashed up whilst the high frequency
> end is well spaced out. In fact, you'll find that fully half of the
> tuning pot's travel (at the high end) only covers about 2 to 3 KHz. If
> you have done the inductor change (to 6.8uH) then you'll more than
> likely want to "un-squash" the low frequency end of the tuning.
>

My mod for unsquashing the bottom end isn't as high-tech as either of
Dave's two, but it helps spread things out.

After I noticed the problem, I replaced the linear-taper tuning pot with
one with an audio taper. The result is that the bottom of the range is
better spread out, although still not quite linear. (In fact, the top is
now a little squashed, but that's up where the RTTY sigs tend to reside.)

Here are the results I obtained:

Pot full CCW	10.101
1/4 CW	10.108
1/2 CW	10.120
3/4 CW	10.127
Full CW	10.131

(This is with a 1k resistor in series with the bottom terminal of the
pot; without it, I tune down to 10.097.)

Charlie, W6JJZ
clofgren@benson.mckenna.edu

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: wb2vuo@juno.com (William K Hibbert)
Subject: [11445] Re: OTHER CRYSTAL SOURCE
Message-ID: <19970209.100201.4655.2.wb2vuo@juno.com>

>From: Mike Duke <gmduke@oscar.teclink.net>
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: OTHER CRYSTAL SOURCE

>I have had good results from KW Manufacturing, 405-567-2285. I can't
put
>my hands on their address at the moment, but I think they're in OK. My

>last purchase from them was several rocks for an old ic-22 two meter rig
>at about \$6.50 each, cheaper than Jan's \$10.

>I also bought a crystal there to put my HW8 on 30 meters. It's been
>working well there for the past two years.

>73, de K5XU

>Mike Duke,
>Jackson, MS

=====

KW Manufacturing takes Plastic, and it is the source that Yaesu send
anyone to for replacement Xtals for their gear. I repaired a 2 Meter
all-mode with rocks from them last year.

And when are you going to post the details on putting the HW-8 on 30
Meters, Mike???

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, Tech Specialist (ARRL/WNY),
ARRL Life Member, VP/BARK, Beacon Chaircritter, Rochester VHF Group
Trustee, KB2YTW/B 10 Mtr QRPp Beacon (250 mW @ 28.2870 MHz)
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"
Packet - wb2vuo@w2im.#wny.ny.usa.noam
Email - wb2vuo@juno.com

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997
From: AE0Q / V31RY <v31ry@ix.netcom.com>
Subject: [11432] Re: prevent polarity problems
Message-ID: <2.2.16.19970209110540.3d871428@popd.ix.netcom.com>

At 22:19 08-02-97 WA2EAW wrote:

>I may be reinventing the wheel; but I have been reading about a number of
>people that destroyed gear by reversing polarity. Why not "key" the leads
>from the power source so that (example only) + is a round lead and will fit
>into the round + female and - is a
>" blade " male plug that will only fit into the "blade" female slit.

Bob, there is already a standard of sorts in use. The ARRL has been
encouraging ARES members to use 2-pin Molex connectors on as much equipment
as possible, so that most gear will be keyed the same for emergency use.

I can't find the Radio Shack part number right now, but they are sold as
pairs in 'blister-packs', the pins are .093" in diameter (NOT the smaller

.062" size), and the pins are rated for 12A DC current. Radio Shack also sells a much larger, more expensive 2-pin connector. The ARES standard is the middle size.

Most parts-suppliers sell Molex-brand connectors, and the .093" Power Connectors are pretty common.

The FEMALE plastic connector body goes to the equipment, with two MALE pins in it. The power source gets the MALE plastic part, with two FEMALE pins (the hollow ones). That way nothing can brush against the hot power-source pins, as the female pins are slightly recessed in the mostly-solid connector body of the male plastic part.

The plastic connector bodys have a pointed side and a flat side so that they are keyed, and the PLUS voltage goes to the pin nearest the pointed part of the connector body. It's easy to remember since the 'arrow' of the connector shape points to the 'hot' pin.

It's very handy to have everyone's QRP rigs, keyers, VHF radios, TNC's and computers wired with the same connectors on Field Day. The 100w HF rigs should have bigger connectors for higher current, but just about everything else can be handled by the 2-pin Molex standard.

I've been wiring all my gear and accessories with the 2-pin Molex connectors for 10 years, and it sure is handy! Everything plugs right in whether I'm at home with the AC supply or out camping with a deep-cycle battery.

73 -- Glenn

Duct Tape is like the Force: It has a light side, and a dark side, and it holds the Universe together.

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK
v31ry@ix.netcom.com -- ARRL LM, QCWA LM, NCVA --

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997
From: Roger Hightower <n7kt@dancris.com>
Subject: [11446] Re: prevent polarity problems
Message-ID: <32FE078C.72B0@dancris.com>

The R/S part number for the polarized connector set is 274-222.

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj
NorCal 40-9er, NC38S, NC-40A, Cascade, OHR Explorer 20, 30M, OHR400,
HW-9
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: ka7you@juno.com
Subject: [11460] Re: prevent polarity problems
Message-ID: <19970209.110046.9983.5.KA7YOU@juno.com>

Glenn,

I have always disliked the molex configuration, although I used it for many years.

The Issaquah ARC has switched to the Anderson Power-Pole (R) stlye connectors.

They have some advantages. (SPC also makes Power-Pole (R) compatable connectors)

First, they are not polarized! They are built like a forklift battery connector and they are very rugged. Any connector end that is open can be a power source, or an extension cord. They are made in such a way that you cannot connect them up with the wrong polarity. They will not physically go together the wrong way, but of course that doesn't preclude someone from wiring the plug wrong, HI! HI!

Because all the pieces are the same, there is not a problem of having only female pins or housings left in stock, when you are needing male ones.

The contacts are beefy enough to handle QRO rigs, being rated at 30 amps for the size that accepts 12 guage wire and 15 amps for the 16-18 guage wire size. Both size contactss fit in the housing, and mate together correctly.

The disadvantages are that they cannot be purchased at the local RS store, are slightly more expensive than the Molex connectors, and are not "standards". Our club buys them an a local distributor, and splits up the order. They are available at Newark, and Allied (Allied is much cheaper), and our local supplier is Dunn Electronics, which is competitive with Allied

In quantities of 100, the housings are \$0.23 each, and the contacts are \$0.12. That makes a 2 pin connector about \$0.70, and requires an identical \$0.70 connector to mate with it. The contacts are silver plated, and have a very postiive spring contact. Panel sockets and cord strain relief accessories are also available.

The RS ones are \$0.99 per set, but you always have to buy a female to get a male. At industrial suppliers, The Molex pins and housings are much cheaper(when bought in quantity), than at RS and can be bought in the configuration that you desire.

I am not financially connected to Anderson or any of the other named entities, just a happy user.

Rod Johnson KA7YOU CN97AK near Issaquah, Wa. 160M thru 1296 MHz
NWQRP#120 ARCI#7251
QRP-L#844

On Sun, 09 Feb 1997 04:05:40 -0700 AE0Q / V31RY <v31ry@ix.netcom.com> writes:

>At 22:19 08-02-97 WA2EAW wrote:

>>I may be reinventing the wheel; but I have been reading about a
>number of
>>people that destroyed gear by reversing polarity. Why not "key" the
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>>into the round + female and - is a
>>" blade " male plug that will only fit into the "blade" female slit.

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>73 -- Glenn
>-----
>Duct Tape is like the Force: It has a light side, and a
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>
> AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK
> v31ry@ix.netcom.com -- ARRL LM, QCWA LM, NCVA --
>
>
>

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997
From: Bob Roach <KE4QOK@worldnet.att.net>
Subject: [11462] Re: prevent polarity problems
Message-ID: <19970209193546.AAA12680@LOCALNAME>

At 03:19 AM 2/9/97 +0000, you wrote:

>To all;
>I may be reinventing the wheel; but I have been reading about a number of
>people that destroyed gear by reversing polarity. Why not "key" the leads
>from the power source so that (example only) + is a round lead and will fit
>into the round + female and - is a

Hi guys,

The solution is far simpler than this, or some schemes I recently saw that
blow the fuse when the polarity is reversed. All you have to do is place a
full wave bridge at the power input then you can hook the power lead either
way and the equipment works properly. This is very cheap (and simple)
insurance and I have always wondered why manufacturers and especially
homebrewers do not make this standard equipment. It is cheap and the 1.4V

drop is, in most cases, not a big factor.

(o o)

-----o00_()_00o-----

73 es TNX

KE4QOK Real radios glow in the dark.

Bob Power is no substitute for skill.

If it stayed up last winter, it was too small.

136 Hermitage Rd.

Newport News, Va. 23606 KE4QOK@worldnet.att.net

(757)930-0348

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997

From: "\"W. Kimura\"." <W.Kimura@valley.net>

Subject: [11467] Re: prevent polarity problems

Message-ID: <199702092226.RAA17543@dartvax.dartmouth.edu>

At 01:54 PM 2/9/97 EST, you wrote:

>Glenn,

> I have always disliked the molex configuration, although I used it
>for many years.

>The Issaquah ARC has switched to the Anderson Power-Pole (R) stlye
>connectors.

>They have some advantages. (SPC also makes Power-Pole (R) compatable
>connectors)

>

(snip)

> The disadvantages are that they cannot be purchased at the local RS
>store, are slightly more expensive than the Molex connectors, and are not
>"standards". Our club buys them an a local distributor, and splits up
>the order. They are available at Newark, and Allied (Allied is much
>cheaper), and our local supplier is Dunn Electronics, which is
>competitive with Allied

>

(snip)

There is another source for these "Power Pole" connectors. Radio controlled electric car racers also use these for the same reasons (current handling and rugged construction). A typical car race application will discharge a fully charged 1700ma 7.2vdc nicad battery in 4 minutes plus the connectors never wear out.

One can get them at any RC hobby store that carries electric racing car stuff.

Kim Kimura, N1MVU

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: Joe Gervais <vole@primenet.com>
Subject: [11415] Re: QRP Data Book
Message-ID: <199702090127.SAA22083@usr10.primenet.com>

Paul (NA5N) wrote:

>
> All future orders should be sent to me, where they will be processed by
> Quicksilver Printing, the data book printer, or for faster service on
> the east coast, to H-B Electronics. The Data Book is the same old
> \$20 + \$2.50 shipping from either.

Just an unsolicited comment: Folks, if you don't have a copy of this book, you need one. Really. I got my hands on one for a few brief minutes at a meeting and immediately added it to my list of "must have's". Hopefully an impending birthday will finally give me enough momentum to order one. ;-)

Now all I have to do is leave a printout of the new printer's address on the kitchen counter for my wife to find....

Cheers de AB7TT (ex-KC7NEV),

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

From owner-qrp-1@lehigh.edu Sun Feb 9 18:01:03 1997
From: drowe@juno.com (david o rowe)
Subject: [11431] Re: USA Buro
Message-ID: <19970209.050002.7062.0.drowe@juno.com>

yes, there is a fine U S QSL SERVICE:
.05 per card to anywhere in the world including U.S.
I've used them for about 6 months with good service.
(I have not financial interest in this service and am not conected to it in anyway other than a happy user.)
for more information E-Mail USBURO@AOL.COM OR AA1MF@AOL.COM

SNAIL MAIL:
USA QSL BUREAU
PO BOX 814

BREWER, ME 04412-0814

72, DAVE , KC1DI QRP-L 975 QRP ARCI 3843 QRP NE 410 FIST 1210

From owner-qrp-l@lehigh.edu Sun Feb 9 18:01:03 1997

From: Stanley Wilson <microres@crl.com>

Subject: [11435] Re: www 1K

Message-ID: <Pine.SUN.3.91.970209055213.22433A-100000@crl8.crl.com>

Congradulations Marshall. 1K indicates you have a nice page and I expect that several have visited more than once.

I think the web certainly adds to our other hobbies. It has gives one a chance to be very creativity in another direction. Since a web page is a technical item it seems to fit right into our hobby or radio, etc.

I am amazed at how many people visit a web page and the nice messages they send about one. I do not expect the web to replace ham radio, but Iphone certainly goes in that direction.

Also like radio we can now add all sorts of JAVA items to the web page to keep it interesting. I have had a lot of fun with music on my page and plan on adding little short verbal messages and also plan on adding a plane engine diving to some of the plane pop ups.

A logo is nice sort of like our ham call. hi

I have found that you need a scanner to make the web page really live. hi I am adding an additional section of all my qrp projects. hope to get that on next month. I am still working on additional plane pictures.

About the only thing I do not get vistors about is MG autos. Surprised about that, guess I did not get into the right search engines.

Keep up the good work. I will add you into my link page.

73 de stan AK0B

Home of the Jimmie Allen Model Air Races web page

<http://www.crl.com/~microres/>